



February 28, 2005

Mr. Noman M. Chowdhury
California Regional Water Quality Control Board
Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

Subject: Well Destruction Report

**Site: Chevron Service Station No. 9-5306
12155 Telegraph Road
Santa Fe Springs, California
LARWQCB File No. I-01120A**

On behalf of Chevron Environmental Management Company (CEMC), Science Applications International Corporation (SAIC) has prepared this report describing groundwater monitoring well destruction activities at the above-mentioned site (Plates 1 and 2).

A well destruction permit was obtained through the Los Angeles County Department of Health Services (LACDHS). A copy of the permit is presented as Appendix A.

The well destruction was delayed due to the opening of an environmental case for the site by the city of Santa Fe Springs following the demolition of the service station. The case was subsequently closed and the well destructions were scheduled.

On January 27 and 28, 2005, SAIC personnel, working under the supervision of a registered geologist, supervised the destruction of monitoring wells MW-1, MW-2, MW-3, and MW-4 (Plate 3). BC² Environmental (BC²), of Fullerton, California, was subcontracted to perform the well destruction activities.

A Tailgate Health and Safety meeting was conducted prior to the start of fieldwork; which included a discussion of relevant safety issues, possible hazards, proper personal protective equipment and techniques, stop work authority, and the route to the local hospital.

The wells were destroyed in general accordance with the State of California Department of Water Resources Bulletin 74-90, *California Well Standards* (1991). The procedures used during destruction of the wells were as follows:

- Each well was sounded for depth to water and total depth immediately prior to abandonment to determine that no obstructions existed.
- Each well was overdrilled to total depth using a hollow stem auger drill rig. All well casings and annular materials were removed at this time. The void produced by the auger was back filled up to grade with a grout and cement slurry as the auger was removed.

Drill cuttings and decontamination water from the destruction of the groundwater monitoring wells were temporarily stored onsite in Department of Transportation (DOT) approved 55-gallon drum. Philips Services Company (PSC), of Carson, California, transported the drill cuttings to TPS Technologies'

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permitted facility in Adelanto, California, for recycling. Copies of the non-hazardous waste manifests will be provided under separate cover.

If you have any questions or require additional information, please contact Mr. Mike Pendergrass, the SAIC Project Manager, at (714) 257-6403, or Mr. Y.M. Tuan, the CEMC Project Manager, at (714) 671-3373.

Sincerely,

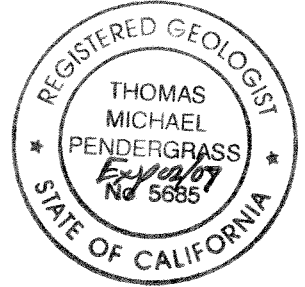
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION



Jillian Maloney
Junior Geologist



T. Michael Pendergrass, R.G. No. 5685
Principal Geologist



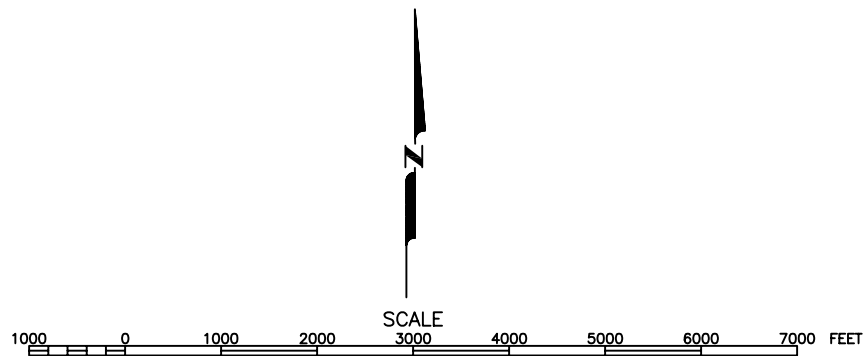
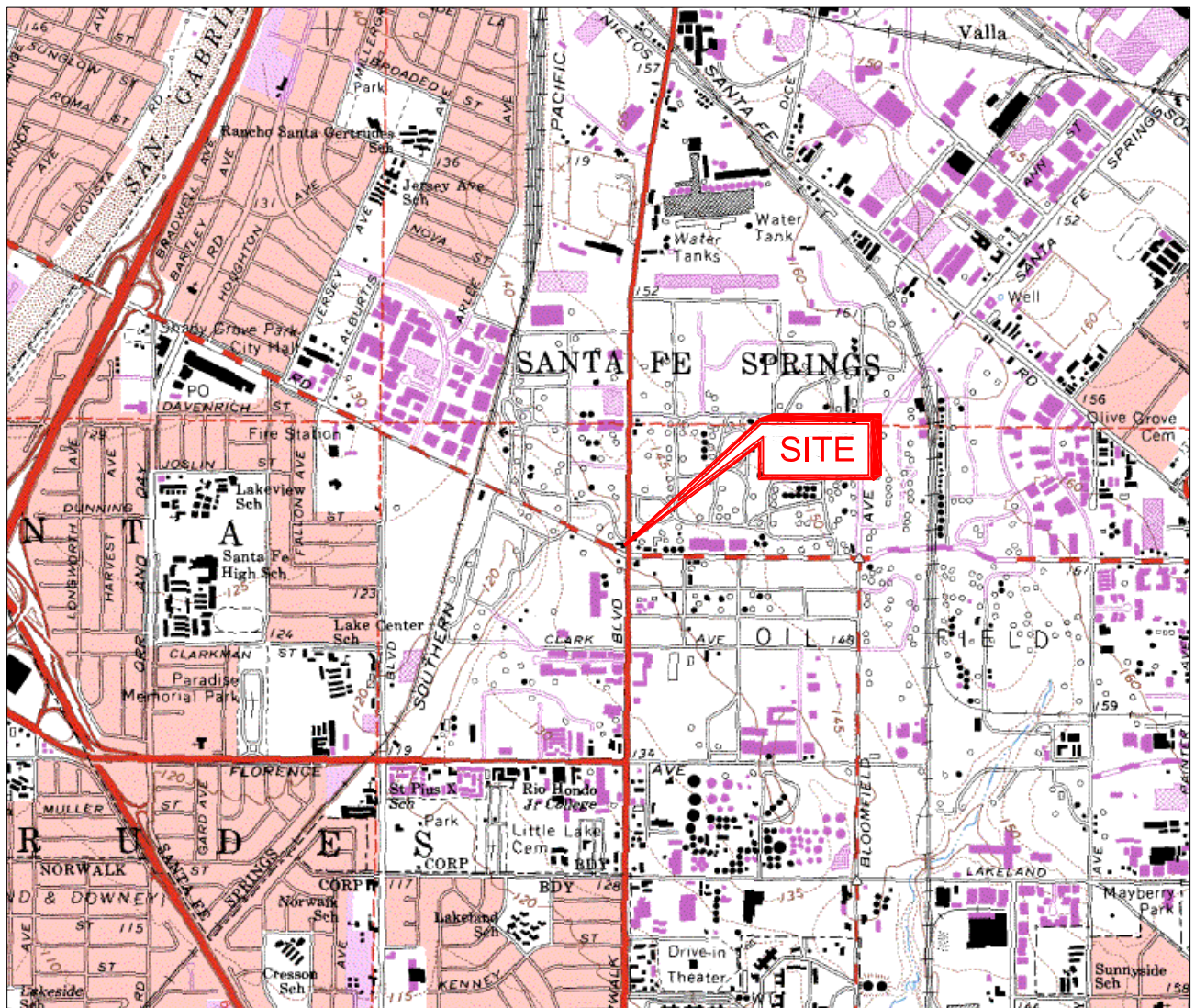
Attachments: Plate 1 – Site Location Map
Plate 2 – Site Vicinity Map
Plate 3 – Site Plan
Appendix A – Well Destruction Permit


cc: YM Tuan, CEMC
Mr. Joseph C. Dunn, Charles Dunn Company
Mr. Joseph Roger Hoover, Charles Dunn Company
Mr. Neal Welland, City of Santa Fe Springs Fire Department
SAIC Project File

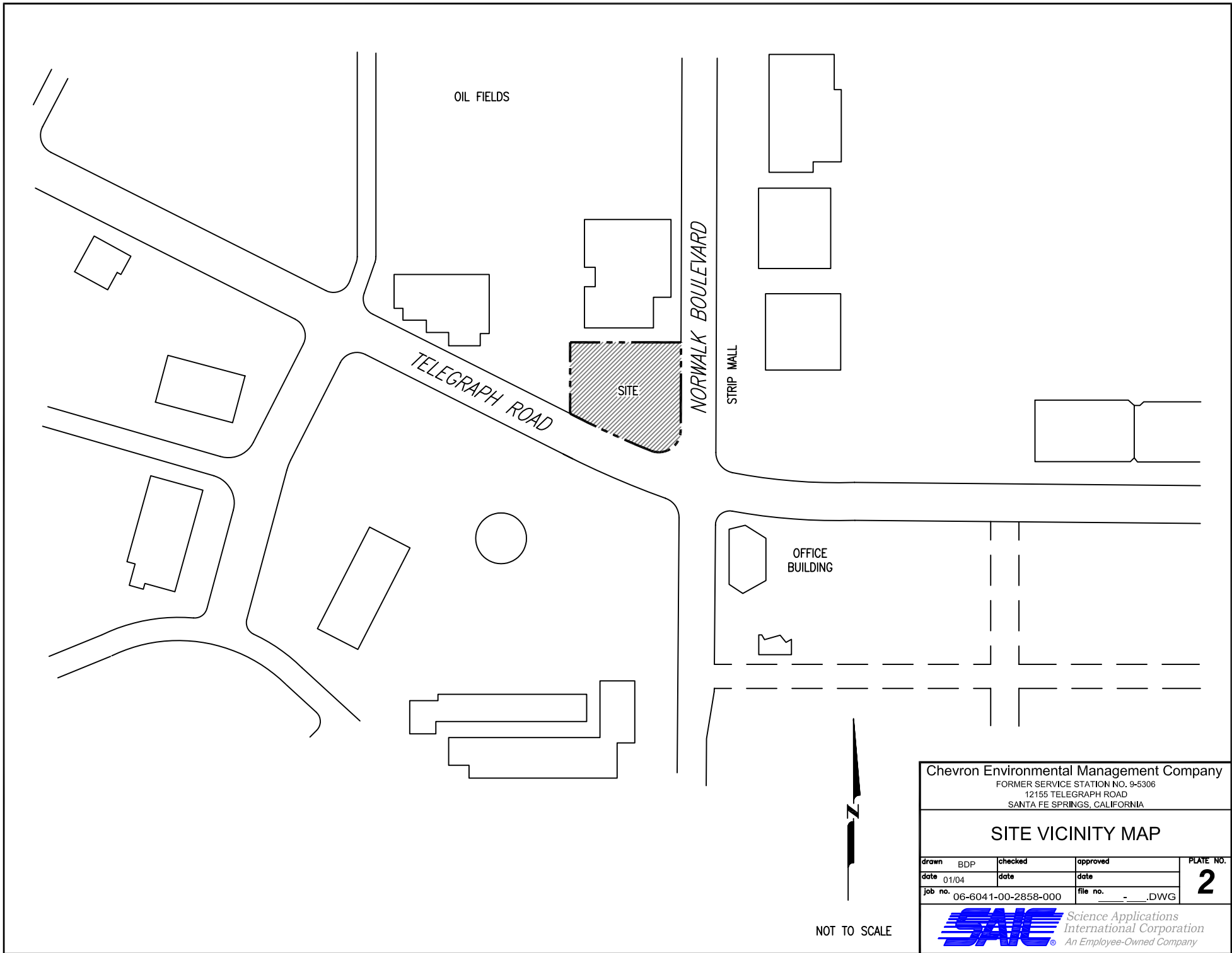
Limitation of Use: SAIC's investigation was restricted to collection and analysis of a limited number of environmental samples and visual observations obtained during the physical site visit, and from records made available by CEMC or third parties during the investigation. Because the investigation consisted of collecting and evaluating a limited supply of information, SAIC may not have identified all potential items of concern and, therefore, SAIC warrants only that the project activities under this contract have been performed within the parameters and scope communicated by CEMC and reflected in the contract. SAIC has made no independent investigations concerning the accuracy or completeness of the information relied upon. This report is intended to be used in its entirety. Taking or using in any way excerpts from this report are not permitted and any party doing so does so at its own risk.

X:\CEMC Project files\9-5306 Santa Fe Springs\Abandonment\9-5306 abandonment.doc

PLATES



| | | | | |
|--|---------------------|---------|----------|-----------------------|
| Chevron Environmental Management Company | | | | |
| FORMER SERVICE STATION NO. 9-5306 12155 TELEGRAPH ROAD SANTA FE SPRINGS, CALIFORNIA | | | | |
| SITE LOCATION MAP | | | | |
| drawn | BDP | checked | approved | PLATE NO. 1 |
| date | 06/03 | date | date | |
| job no. | 06-6041-00-2858-000 | | file no. | |
|  Science Applications International Corporation An Employee-Owned Company | | | | |



NOT TO SCALE

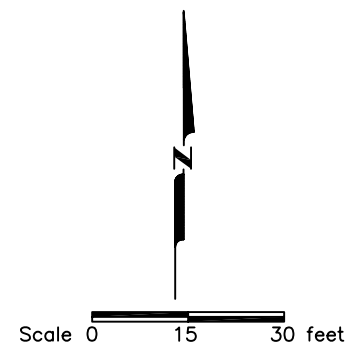
| | | | | |
|--|---------------------|---------|----------|-----------|
| Chevron Environmental Management Company | | | | |
| FORMER SERVICE STATION NO. 9-5306 | | | | |
| 12155 TELEGRAPH ROAD | | | | |
| SANTA FE SPRINGS, CALIFORNIA | | | | |
| SITE VICINITY MAP | | | | |
| drawn | BDP | checked | approved | PLATE NO. |
| date | 01/04 | date | date | 2 |
| job no. | 06-6041-00-2858-000 | | file no. | |
|  Science Applications International Corporation An Employee-Owned Company | | | | |

ABANDONED GROUNDWATER MONITORING WELL LOCATION

EXTENT OF REMEDIAL EXCAVATION (1998)

SHORED PORTION OF EXCAVATION (1998)

The diagram shows a rectangular area representing the extent of remedial excavation in 1998. A dashed line within this area indicates the shored portion of the excavation. A blue 'X' with a circle around it marks the location of an abandoned groundwater monitoring well.



Chevron Environmental Management Company

FORMER SERVICE STATION NO. 9-5306
12155 TELEGRAPH ROAD
SANTA FE SPRINGS, CALIFORNIA

SITE PLAN

| | | | | |
|---------|---------------------|---------|--------------------|--|
| drawn | BDP | checked | approved | PLATE NO. <div style="font-size: 2em; font-weight: bold; text-align: center;">3</div> |
| date | 2/05 | date | date | |
| job no. | 06-6041-00-7731-190 | | file no. B2858-002 | |



APPENDIX A
WELL DESTRUCTION PERMIT

DATE: 4/21/04

| | | |
|---|--|---|
| <input type="checkbox"/> NEW WELL CONSTRUCTION <input checked="" type="checkbox"/> RECONSTRUCTION OR RENOVATION <input type="checkbox"/> DECOMMISSIONING <input type="checkbox"/> OTHER: | <input checked="" type="checkbox"/> MONITORING <input type="checkbox"/> CATHODIC <input type="checkbox"/> INJECTION <input type="checkbox"/> EXTRACTION | <input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> OTHER (Specify): |
|---|--|---|

| | | | | |
|---------------|--------------------------------------|------------------|--------------------------|-------------------------------|
| WELL LOCATION | SITE ADDRESS 12155 Telegraph Road | | CITY Santa Fe Springs | ZIP CODE 90670-3722 |
| | Township 3 South | Range 11 West | Section 6 | Map Book Page/ Grid 706/H4 |
| | NO. OF WELLS IN EACH PARCEL: 4 | | | |
| | Attach site map with well locations | | | |

| | | |
|----------------|-------------------------------------|--|
| WELL STRUCTURE | Type and Size of Production Casing | |
| | Sanitary / Annular Sealing Material | |
| | Depth of Sanitary / Annular Seal | |
| | Conductor Casing Seal | |

| | | |
|-----------------|-----------------------------|------------|
| Company | SAIC | CONSULTANT |
| Contact Person | Mike Pendergrass | |
| Address | 570 West Central Ave. Ste A | |
| City, State Zip | Brea, CA 92821 | |
| Telephone | 714-257-6400 | |

| | | |
|-----------------------------|------------------|-------------------------------------|
| OWNER / DRILLER INFORMATION | Well Owner | Cherron Env. Mgmt. Co. |
| | Address | 145 S. State College Blvd |
| | City / Zip Code | Brea, CA 92821 |
| | Telephone | 714-671-3200 |
| | Well Driller | BC ² Environmental Corp. |
| | Address | 1212 E. Ash Avenue |
| | City / Zip Code | Fullerton, CA 92831 |
| | C-57 License No. | 686255 |
| Telephone | 714-449-2990 | |

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

WORK PLAN APPROVAL
This Approval is Valid for 180 Days

Date 5/12/04 REHS

Conditions

| | | |
|----------------------|---|--|
| WELL DECOMMISSIONING | Well Depth log / records | see attached logs Mw-1, Mw-2, Mw-3, Mw-4 |
| | Method of Well Assessment | overdrill and remove entire casings |
| | Depth and Number of Perforations | |
| | Type of Perforator Size of Perforations | |
| | Type and Amount of Sealant | hydrated bentonite chips ~ 90-100 ft portland cement <5% bentonite from surface to 90 ft. |
| | Method of Upper Seal Pressure Application | pressure grout |

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.



Applicant's Signature

Applicant Name: (PRINT) Ian Mueller

Telephone: 714-257-6429

FAX: 714-257-0548

FINAL INSPECTION

Date REHS

PERMIT ISSUED
The well log must be submitted to this Department prior to issuance of the final approval

Date REHS